

**TRANSMITTAL LETTER
(General - Patent Pending)**

Docket No.
112857-034

In Re Application Of: Moriguchi, et al.

Serial No.
09/292,834

Filing Date
April 16, 1999

Examiner
S. Henderickson

Group Art Unit
1754

Title: **GRAPHITE POWDERS SUITED FOR NEGATIVE ELECTRODE MATERIAL OF LITHIUM ION
SECONDARY BATTERY**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

Response to Office Action (9 pgs.); and return receipt postcard.

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in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
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Signature

Dated: **December 17, 2002**

Thomas C. Basso
Reg. N . 46,541
BELL, BOYD & LLOYD LLC
P.O. Box 1135
Chicago, IL 60690-1135
Phone: 312-807-4310

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Robert J. Buccieri

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1/2/3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Koji Moriguchi, et al.
Appl. No.: 09/292,834
Filed: April 16, 1999
Title: GRAPHITE POWDERS SUITED FOR NEGATIVE ELECTRODE
MATERIAL OF LITHIUM ION SECONDARY BATTERY
Art Unit: 1754
Examiner: S. Hendrickson
Docket No.: 112857-034

Assistant Commissioner for Patents
Washington, DC 20231

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RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated September 18, 2002, please amend the above-identified patent application as follows:

In the Claims:

Please amend Claim 1 as follows:

R1
82661
1. (Five Times Amended) A graphite powder formed by graphitization at a temperature ranging from about 1500°C to less than 2200°C, the graphite powder comprising a carbon material containing about 0.01 to less than 1.0 wt% of boron and having a looped closure structure at an end of a graphite c-planar layer on at least a surface of cleavage formed by shearing, wherein the density of the interstitial planar sections between neighboring closure structures is not less than 100/μm and not more than 1500/μm.

Please add claims 11-17 as follows:

F2
11. (Newly Added) A negative electrode material of a lithium ion secondary battery, the negative electrode material consisting essentially of a graphite powder formed by graphitization at a temperature ranging from about 1500°C to less than 2200°C, the graphite powder comprising a carbon material containing about 0.01 to less than 1.0 wt% of boron and having a looped closure structure at an end of a graphite c-planar layer on at least a surface of cleavage formed by shearing, wherein the density of the interstitial planar sections between neighboring closure structures is not less than 100/μm and not more than 1500/μm.